C&S Electric Power & Auxiliary Contactors: Models, Technical Specifications & Performance Highlights

C&S Electric Contactors for Industrial Power & Control Systems

Industrial control panels need switching components that can handle their electrical requirements while supporting dependable control operation. In motor control, automation, HVAC, pumping, and manufacturing systems, contactors are often part of the core switching and control arrangement.

The **c&s electric power contactor** range is designed for main power switching, while auxiliary contactors support control functions such as interlocking, sequencing, holding circuits, and additional switching operations. C&S Electric offers configurations suited to different panel requirements, with options covering current ratings, pole arrangements, coil voltages, and contact configurations.

For panel builders, OEMs, electrical engineers, and procurement teams, understanding these specifications is important because the right contactor is determined not simply by current rating, but by the complete electrical and control requirements of the application.

C&S Electric Power Contactors: Product Range & Technical Specifications

C&S Electric Robusta power contactors cover a wide current range from **6 A to 630 A**, making the range suitable for different power switching requirements. Depending on the configuration, these contactors are available with **3-pole or 4-pole** arrangements.

The range also provides several auxiliary contact combinations, including **1 NO, 1 NC, 1 NO + 1 NC, 2 NO + 2 NC, and 4 NO**. These configurations allow additional control or signalling functions to be incorporated into the same contactor arrangement.

C&S Electric Robusta Power Contactor Specifications

Parameter	Specification
Sub Family	Robusta
Current Ratings	6 A–630 A
Pole Configuration	3 Pole, 4 Pole

Parameter	Specification
Auxiliary Contacts	1 NO, 1 NC, 1 NO + 1 NC, 2 NO + 2 NC, 4 NO
AC Coil Voltage	24V, 42V, 48V, 110V, 220V, 235V, 240V, 360V, 380V, 415V AC
DC Coil Voltage	24V, 48V, 72V, 110V, 220V DC
Duty	AC-1, AC-3

The availability of both AC and DC coil options provides flexibility when integrating the contactor with different control supplies. However, the exact model, rating, coil voltage, and utilization category should always be matched with the intended application and verified against the relevant product documentation.

C&S Electric Power Contactors: Performance & Application Highlights

A contactor's performance depends heavily on whether its electrical characteristics match the load it is required to switch. The Robusta range provides a broad selection of current ratings, allowing engineers to specify a suitable contactor according to the connected load and control system requirements.

The availability of **AC-1 and AC-3 duty** is particularly important. AC-1 is generally associated with applications involving non- or relatively low-inductive loads, while AC-3 is commonly associated with squirrel-cage motor starting and switching during normal operation. The appropriate utilization category should be selected according to the actual load and operating conditions.

The wide range of coil voltages is another practical advantage when designing control panels. It allows the contactor to be coordinated with the available control supply rather than requiring unnecessary changes to the control architecture.

These contactors can be used in **MCCs, DOL and star-delta starter panels, pump systems, compressors, conveyors, HVAC equipment, and industrial machinery**. Their suitability for a particular application should be determined from the complete technical requirements rather than from current rating alone.

C&S Electric Auxiliary Contactors: Product Range & Technical Specifications

Auxiliary contactors serve a different purpose from main power-switching contactors. They are primarily used where a control system requires additional switching contacts for functions such as interlocking, sequencing, holding circuits, or control logic.

The C&S Electric auxiliary contactor range has a **10 A current rating** and offers several NO and NC combinations. Available configurations include **1 NO + 3 NC, 2 NO + 2 NC, 3 NO + 1 NC, 4 NC, and 4 NO**.

C&S Electric Auxiliary Contactor Specifications

Parameter	Specification
Model/Sub Family	C&S Electric
Current Rating	10 A
Auxiliary Contacts	1 NO + 3 NC, 2 NO + 2 NC, 3 NO + 1 NC, 4 NC, 4 NO
AC Coil Voltage	24V, 110V, 220V AC
DC Coil Voltage	110V, 220V DC

The different contact arrangements allow engineers to choose a configuration according to the control logic required in the panel. Coil voltage should likewise correspond with the control circuit supply to ensure proper operation and integration.

C&S Electric Auxiliary Contactors: Performance & Control Applications

The value of an auxiliary contactor lies in the flexibility it provides within a control circuit. Different NO and NC combinations can be used to create or extend control functions without changing the main power-switching arrangement.

For example, auxiliary contacts can be used for **electrical interlocking**, where one circuit prevents another from operating under defined conditions. They can also support holding circuits, sequencing operations, additional control outputs, and status-related functions.

The c&s electric auxiliary contactor range is therefore relevant to control panels where several switching functions need to be managed through a defined contact arrangement. In motor starter applications, auxiliary contacts can work alongside the main contactor to support the control sequence while keeping the power and control functions clearly separated.

This makes the component particularly useful for **motor control panels, automation systems, MCC control circuits, starter panels, and industrial machinery** where control logic is an important part of system operation.

C&S Electric Power vs Auxiliary Contactors: Technical Comparison

Although both products are used within electrical control systems, their functions and technical priorities are different.

Parameter	**Power Contactor**	**Auxiliary Contactor**
Current Range	6 A–630 A	10 A
Primary Role	Power/load switching	Control and auxiliary switching
Pole Configuration	3 Pole, 4 Pole	Multiple NO/NC configurations
Duty	AC-1, AC-3	Control circuit applications
Contact Options	1 NO, 1 NC, 1 NO + 1 NC, 2 NO + 2 NC, 4 NO	1 NO + 3 NC, 2 NO + 2 NC, 3 NO + 1 NC, 4 NC, 4 NO
Coil Options	AC and DC	AC and DC
Typical Function	Motor and load control	Interlocking, sequencing and control

The key difference is therefore not simply the current rating. A power contactor is selected primarily for switching the main electrical load, whereas an auxiliary contactor is selected according to the control functions and contact configuration required by the system.

C&S Electric Contactors: Selection Factors & Industrial Applications

Choosing the right contactor begins with understanding the electrical requirements of the application. For power contactors, engineers should consider **load current, motor rating, utilization category, number of poles, coil voltage, switching conditions, and required auxiliary contacts**.

For auxiliary contactors, the **NO/NC arrangement, coil voltage, control requirements, and available panel space** become particularly important. The c&s electric contactor catalogue can be referred to when comparing available configurations and identifying a product that corresponds with the required technical characteristics.

These contactors can support a wide range of industrial systems, including **MCCs, DOL starters, star-delta starters, pump control panels, HVAC systems, conveyors, compressors, manufacturing machinery, automation panels, and process-control equipment**.

For procurement and documentation purposes, product references such as a **c&s electric auxiliary contactor price in india pdf** may be useful during the sourcing process. However, commercial information should be considered alongside the technical specification, because the correct contact configuration, coil voltage, current rating, and application duty ultimately determine whether a product is suitable for the panel.

Conclusion: C&S Electric Contactors for Reliable Panel Performance

C&S Electric power and auxiliary contactors address two different requirements within industrial control systems. The Robusta power contactor range provides current ratings from **6 A to 630 A**, 3-pole and 4-pole configurations, AC-1 and AC-3 duty options, and a broad selection of AC and DC coil voltages. The auxiliary range provides a **10 A rating** with multiple NO and NC configurations for control applications.

For panel builders, engineers, OEMs, and procurement teams, the right choice should be based on the actual electrical and control requirements of the system. Current rating, duty category, coil voltage, pole configuration, contact arrangement, and application conditions should all be considered before final selection. This approach helps ensure that the selected contactor fits the panel design and performs its intended switching or control function reliably.